

IN THE CLAIMS:

Please amend the claims as follows.

1. (Currently amended) A method for testing computing devices, the method comprising ~~the steps of~~:

providing a plurality of suites of test programs for access by a server, wherein a first suite and a second suite of said plurality of suites are respectively adapted to run on a first platform and a second platform;

storing a first execution agent that is adapted to run on said first platform and a second execution agent that is adapted to run on said second platform for access by said server;

~~coupling a first computing device and a second computing device of said computing devices to said server, wherein said first computing device is adapted to operate using said first platform and said second computing device is adapted to operate using said second platform;~~

~~installing no more than one~~ providing a test harness on said server to support execution of said test programs by ~~said at least a~~ first computing device and ~~said a~~ second computing device, wherein said first and second computing devices are coupled to said server, and wherein said first computing device is adapted to operate using said first platform and said second computing device is adapted to operate using said second platform;

using said test harness, packaging a first test object with said first execution agent for download to said first computing device in a first package and packaging a second test object with said second execution agent for download to said second computing device in a second package;

responsively to an instruction of said test harness, downloading said first package and said second package to said first computing device and said second computing device, respectively; and

concurrently executing a test program of said first package in said first computing device and a test program of said second package in said second computing device.

2. (Original) The method according to claim 1, wherein said first suite and said second suite comprise platform-specific JAR files.

3. (Currently amended) The method according to claim 1, wherein said first package and said ~~first~~second package comprise JAR files.

4. (Currently amended) The method according to claim 1, further comprising ~~the steps of:~~

displaying said suites as a hierarchy of identifiers of test objects corresponding to said test programs; and

responsively to said step of displaying said suites, selecting said first test object from said first suite for execution thereof by said first computing device, and selecting said second test object from said second suite for execution thereof by said second computing device.

5. (Currently amended) A computer software product, comprising a computer-readable storage medium in which computer program instructions are stored, which instructions, when read by a computer, cause the computer to perform a method for testing computing devices, the method comprising ~~the steps of:~~

providing a plurality of suites of test programs for access by a server, wherein a first suite and a second suite of said plurality of suites are respectively adapted to run on a first platform and a second platform;

storing a first execution agent that is adapted to run on said first platform and a second execution agent that is adapted to run on said second platform for access by said server;

~~coupling a first computing device and a second computing device of said computing devices to said server, wherein said first computing device is adapted to operate using said first platform and said second computing device is adapted to operate using said second platform;~~

~~installing no more than one~~ providing a test harness on said server to support

execution of said test programs by ~~said~~ at least a first computing device and said a second computing device, wherein said first and second computing devices are coupled to said server, and wherein said first computing device is adapted to operate using said first platform and said second computing device is adapted to operate using said second platform;

using said test harness, packaging a first test object with said first execution agent for download to said first computing device in a first package and packaging a second test object with said second execution agent for download to said second computing device in a second package;

responsively to an instruction of said test harness, downloading said first package and said second package to said first computing device and said second computing device, respectively; and

initiating concurrent execution of a test program of said first package in said first computing device and a test program of said second package in said second computing device.

6. (Original) The computer software product according to claim 5, wherein said first suite and said second suite comprise platform-specific JAR files.

7. (Currently amended) The computer software product according to claim 5, wherein said first package and said ~~first~~ second package comprise JAR files.

8. (Currently amended) The computer software product according to claim 5, wherein said method for testing computing devices ~~computer~~ is further ~~instructed to perform the steps of~~ comprises:

displaying said suites as a hierarchy of identifiers of test objects corresponding to said test programs for selection of said first test object from said first suite for execution thereof by said first computing device, and said second test object from said second suite for execution thereof by said second computing device.

9. (Currently amended) A system for testing computing devices, comprising:

~~a communication interface for coupling a plurality of said computing devices at least a first computing device and a second computing device thereto for use in communicating with said system via said communication interface, wherein said first computing device is adapted to operate using a first platform and said second computing device is adapted to operate using a second platform;~~

a memory;

a ~~single~~ test harness object stored in said memory;

~~a suite plurality of suites of test programs stored in said memory for execution by said computing devices that are coupled to said system, wherein a first suite and a second suite of said plurality of suites are respectively adapted to run on said first platform and said second platform;~~

~~a first execution agent and a second execution agent stored in said memory, wherein said first execution agent is adapted to run on said first platform and said second execution agent is adapted to run on said second platform;~~

a processor ~~that accesses~~ configured to access said suite and said test harness object, wherein said processor using said test harness is operable to:

package a first test object with said first execution agent for download to said first computing device in a first package and package a second test object with said second execution agent for download to said second computing device in a second package;

download said first package and said second package to said first computing device and said second computing device, respectively; and

initiate concurrent execution of a test program of said first package in said first computing device and a test program of said second package in said second computing device.

~~cooperates with said test harness object to download said test programs via said communication interface for execution by said computing devices coupled thereto, so that at least first and second computing devices among said plurality execute different first and second test programs from said suite, and to receive messages via said communication interface from said computing devices with respect to execution of said~~

~~test programs, and to control said execution of said test programs in said suite based on said messages by communicating responses to said messages via said communication interface; and~~

~~wherein said first and second test programs are adapted to respective first and second platforms, and said first and second computing devices operate using said first and second platforms, respectively.~~

10. (Original) The system according to claim 9, wherein said first and second test programs are executed substantially simultaneously under control of said processor.

11. (Currently amended) The system according to claim 9, wherein ~~said test harness object and~~ said processor using said test harness is further cooperate to perform the steps of: operable to receive messages via said communication interface from said computing devices with respect to execution of said test programs, and to control said execution of said test programs in said suite based on said messages by communicating responses to said messages via said communication interface.

~~accessing first and second execution agents that are adapted to said first and second platforms, respectively; and~~

~~packaging said first and second test programs with said first and second execution agents, respectively for download to said first and second computing devices as first and second packages, respectively.~~

12. (Original) The system according to claim 11, wherein said first and second packages comprise platform-specific JAR files.

13. (Original) The system according to claim 9, further comprising a graphical user interface in said processor for displaying said test programs as a hierarchy for selection of said first and second test programs therefrom.

14. (Original) The system according to claim 9, wherein said computing devices are coupled to said communication interface via a common test host.

15. (New) The method according to claim 1, further comprising receiving requests at said server from said computing devices requesting said server to provide test programs to the computing devices.

16. (New) The method according to claim 1, further comprising:
receiving requests at said server from said computing devices requesting said server to provide test programs to the computing devices; and
in response to receiving a request, assigning a thread to process the request;
wherein each received request is assigned a separate thread to allow concurrent execution of the test programs in said computing devices.

17. (New) The method according to claim 16, further comprising each thread assigned to process a received request retrieving a unique identifier from the request that identifies a requesting computing device, calling components of the test harness that are used to process the request, and returning a response to the requesting computing device.

18. (New) The method according to claim 1, further comprising:
receiving messages from said computing devices with respect to execution of said test programs; and
controlling said execution of said test programs in said suite based on said messages by communicating responses to said messages to said computing devices.

19. (New) The method according to claim 1, further comprising:
selecting a test program for execution in one of the computing devices, wherein the computing device is adapted to operate using a particular platform;
retrieving an object corresponding to a test suite that includes the selected test program;
extracting JAR files that are specific to the platform of the computing device from the object;
extracting classes and an execution agent from the JAR files;

packaging the extracted classes and execution agent in a first package for download to the computing device; and

downloading the first package to the computing device for execution.

20. (New) The method according to claim 1, further comprising:

receiving a request from one of the computing devices at said server requesting a next test program to execute at the computing device, wherein the request includes a unique identifier corresponding to the requesting computing device; and

determining a next test program to be executed by the requesting device.